



# Search Report

## EIC 1700

STIC Database Tracking Number: 245355

To: CHRISTINE TIERNEY  
Location: REM-8A19  
Art Unit: 1700  
Monday, December 10, 2007

Case Serial Number: 10/815192

From: KENDRA BANKS  
Location: EIC1700  
REM-4B28 / REM-4A28  
Phone: (571)272-2516

kendra.banks@uspto.gov

### Search Notes

Examiner TIERNEY:

No Cases Reported

US 5,968,212



PATNO IS 5968212

DATE: DECEMBER 10, 2007  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 5968212

Number of PATENTS found with your search request through:  
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.  
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.  
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 5968212 , October 19, 1999 , Apparatus for gasification of combustion and waste materials containing carbon and ash, Peise, Helmut - Freiberg, Germany (DE); Schingnitz, Manfred - Freiberg, Germany (DE); Degenkolb, Dietmar - Freiberg, Germany (DE), 954361 (08), March 16, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., NOELL-KRC ENERGIE-UND UMWELTTECHNIK GMBH INDUSTRIESTRASSE 70SCHKEUDITZ, (1)04435, Reel and Frame Number: 009101/0936, Noell-KRC Energie-und Umwelttechnik GmbH, Schkeuditz, Germany (DE), Foreign company or corporation (03) , December 22, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUTURE ENERGY GMBH HALSBRUCKER STR. 34FREIBERG, (1)09599, Reel and Frame Number: 014810/0608 December 22, 2003 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., BBP ENVIRONMENT GMBH FABRIK STR. 1GUMMERSBACH, (1)51643, Reel and Frame Number: 014811/0707

CORE TERMS: gasification, cooling, reactor, refractory-grade, chamber, slag, combustion, cooled, ash, lining ...

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5968212

October 19, 1999

Apparatus for gasification of combustion and waste materials  
containing carbon and ash

REISSUE: March 31, 2004 - Reissue Application filed, Ex. Gp.: 1764; Re. S.N.  
10/815,192 (O.G. June 29, 2004)

APPL-NO: 954361 (08)

FILED-DATE: October 20, 1997

GRANTED-DATE: October 19, 1999

CORE TERMS: gasification, cooling, reactor, refractory-grade, chamber, slag,  
combustion, cooled, ash, lining ...

5968212 OR 5,968,212

Your search request has found no ITEMS..

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5968212 OR 5,968,212

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What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

**Current session 10/12/2007**

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Last connection: 30/11/07 21\*29\*56

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**Query/Command : FILE PLUSPAT**

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Individual records for each Country or Patent Office  
Coverage: 77 patenting authorities; start dates vary from 1800 forward  
For PlusPat Fact Sheet, Pricing and FAQ, see the Questel.Orbit website  
Citations and FI/F-term classification available for Japanese documents  
Last update of file: 2007/12/07 (YYYY/MM/DD) 2007-49/UP (last update)

Search statement 1

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**Query/Command : US5968212/PN****\*\* SS 1: Results 1**

Search statement 2

?

**Query/Command : PRT FULL NONSTOP LEGALALL**

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1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

**PN** - US5968212 A 19991019 [US5968212]

**TI** - (A) Apparatus for gasification of combustion and waste materials containing  
carbon and ash

**PA** - (A) KRC UMWELTTECHNIK GMBH (DE)

**PA0** - Noell-KRC Energie-und Umwelttechnik GmbH, Schkeuditz [DE]  
**IN** - (A) PEISE HELMUT (DE); SCHINGNITZ MANFRED (DE); DEGENKOLB DIETMAR (DE)  
**AP** - US95436197 19971020 [1997US-0954361]  
**PR** - DE19643258 19961019 [1996DE-1043258]  
**IC** - (A) C07C-001/00 C10J-001/28 F16H-021/40  
**ICAA** - C10J-003/08 [2006-01 A - I R M EP]; C10J-003/48 [2006-01 A - I R M EP]; C10J-003/74 [2006-01 A - I R M EP]  
**ICCA** - C10J-003/00 [2006 C - I R M EP]; C10J-003/02 [2006 C - I R M EP]; C10J-003/48 [2006 C - I R M EP]  
**EC** - C10J-003/08  
           C10J-003/48  
           C10J-003/74  
**PCL** - ORIGINAL (O) : 048101000; CROSS-REFERENCE (X) : 048074000  
           048123000 048197000R 110346000 422139000 585240000  
**DT** - Corresponding document  
**CT** - US4188915; US4343626; US5248316; DE226588; GB394299  
**STG** - (A) United States patent  
**AB** - A device for utilizing combustion, residual and waste materials containing carbon and ash by gasification with an oxygen-containing oxidizing agent at temperatures above the melting point of the inorganic parts in a reaction chamber and at a pressure between ambient pressure and 60 bar. The reaction chamber contour is formed in part by a refractory-grade lining and in part by a cooling system comprising cooling coils connected in a gas-tight manner. The coils are coated with a thin layer of a ceramic mass that conducts heat well on a side facing the reaction chamber. The cooling coils are operated, while being cooled by pressurized water, below or above the boiling point of the cooling water.

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1 / 1 LGST - ©EPO

**PN** - US5968212 A 19991019 [US5968212]  
**AP** - US95436197 19971020 [1997US-0954361]  
**ACT** -  
           20031222 US/AS-A  
           ASSIGNMENT  
           OWNER: FUTURE ENERGY GMBH HALSBRUCKER STR. 34FREIBERG,  
           (1; EFFECTIVE DATE: 20030325  
           ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BBP  
           ENVIRONMENT GMBH;REEL/FRAME:014810/0608  
  
           20031222 US/AS-A  
           ASSIGNMENT  
           OWNER: BBP ENVIRONMENT GMBH FABRIK STR. 1GUMMERSBACH,  
           (1; EFFECTIVE DATE: 20020614  
           CHANGE OF NAME;ASSIGNOR:NOELL-KRC ENERGIE-UND  
           UMWELTTECHNIK GMBH;REEL/FRAME:014811/0707  
  
           20040629 US/RF-A



REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040331

UP - 2005-11

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1/1 CRXX - ©CLAIMS/RRX

PN - 5,968,212 A 19991019 [US5968212]  
PA - Noell-KRC Energie und Umwelttechnik GmbH DE  
ACT - 20031222 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: BBP ENVIRONMENT GMBH, DATE SIGNED: 03/25/2003

Assignee: FUTURE ENERGY GMBH, HALSBRUCKER STR. 34, FREIBERG,  
GERMANY, 09599

Reel 014810/Frame 0608

Contact: COHEN, PONTANI, LIEBERMAN ET AL., THOMAS C. PONTANI,  
551 FIFTH AVENUE, 12TH FLOOR, NEW YORK, NY 10176

20031222 REASSIGNED  
CHANGE OF NAME

Assignor: NOELL-KRC ENERGIE-UND UMWELTTECHNIK GMBH, DATE  
SIGNED: 06/14/2002

Assignee: BBP ENVIRONMENT GMBH, FABRIK STR. 1,  
GUMMERSBACH, GERMANY, 51643

Reel 014811/Frame 0707

Contact: COHEN, PONTANI, LIEBERMAN ET AL., THOMAS C. PONTANI,  
551 FIFTH AVENUE, 12TH FLOOR, NEW YORK, NY 10176

20040331 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040629  
REISSUE REQUEST NUMBER: 10/815192  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1764

Reissue Patent Number:

Search statement 2

**Query/Command : FILE INPADOC**

LGST - Time in minutes : 0,02

The cost estimation below is based on Questel's standard price list

	Estimated cost :	0.02 USD
Records displayed and billed :	1	
	Estimated cost :	0.70 USD
Cost estimated for the last database search :		0.72 USD
Estimated total session cost :		1.38 USD

CRXX - Time in minutes : 0,03

The cost estimation below is based on Questel's standard price list

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	Estimated cost :	6.00 USD
Cost estimated for the last database search :		6.05 USD
Estimated total session cost :		7.43 USD

LITA - Time in minutes : 0,00

The cost estimation below is based on Questel's standard price list

Estimated total session cost :		7.43 USD
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PLUSPAT - Time in minutes : 0,23

The cost estimation below is based on Questel's standard price list

	Estimated cost :	0.67 USD
Records displayed and billed :	1	
	Estimated cost :	1.55 USD
Cost estimated for the last database search :		2.22 USD
Estimated total session cost :		9.65 USD

Selected file: PLUSPAT

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Coverage: 77 patenting authorities; start dates vary from 1800 forward

For PlusPat Fact Sheet, Pricing and FAQ, see the Questel.Orbit website

Citations and FI/F-term classification available for Japanese documents

Last update of file: 2007/12/07 (YYYY/MM/DD) 2007-49/UP (last update)

Search statement 2

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**Query/Command : FAM US5968212/PN**

1 Patent Groups

**\*\* SS 2: Results 3**

Search statement 3

?

## Query/Command : FAMSTATE NONSTOP

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1 / 3 PLUSPAT - ©QUESTEL-ORBIT

**PN** - DE19643258 A1 19980423 [DE19643258]  
**STG** - (A1) Doc. Laid open (First publication)  
**TI** - (A1) Gasifier for carbonaceous and ash-bearing fuels and waste materials  
**OTI** - (A1) Vorrichtung zur Verwertung von kohlenstoff- und aschehaltigen Brenn- und Abfallstoffen  
**PA** - (A1) KRC UMWELTTECHNIK GMBH (DE)  
**IN** - (A1) PEISE HELMUT DIPL ING (DE); DEGENKOLB DIETMAR DIPL ING (DE); SCHINGNITZ MANFRED DR ING (DE)  
**IC** - (A1) C10J-003/74  
**AP** - DE19643258 19961019 [1996DE-1043258]  
**PR** - DE19643258 19961019 [1996DE-1043258]  
**ICAA** - C10J-003/08 [2006-01 A - I R M EP]; C10J-003/48 [2006-01 A - I R M EP]; C10J-003/74 [2006-01 A - I R M EP]  
**ICCA** - C10J-003/00 [2006 C - I R M EP]; C10J-003/02 [2006 C - I R M EP]; C10J-003/48 [2006 C - I R M EP]  
**EC** - C10J-003/08  
           C10J-003/48  
           C10J-003/74  
**DT** - Basic

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1 / 1 LEGALI - ©EPO

**PN** - DE19643258 A1 19980423 [DE19643258]  
**AP** - DE19643258 19961019 [1996DE-1043258]  
**ACTE** - 19980423 DE/OP8-A [+] REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW  
           20030807 DE/8139-A [-] DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE  
           20030925 DE/8127-A NEW PERSON/NAME/ADDRESS OF THE APPLICANT OWNER: FUTURE ENERGY GMBH, 09599 FREIBERG, DE  
           20031120 DE/8170-A [+] REINSTATEMENT OF THE FORMER POSITION  
**UP** - 2003-47

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2 / 3 PLUSPAT - ©QUESTEL-ORBIT

**PN** - SE9703794 D0 19971017 [SE9703794]  
**STG** - (D0) Application filed  
**OTI** - (D0) Anordning för tillvaratagande av kol- och askhaltiga bränslen samt

avfallsprodukt

**PA** - (D0) KRC UMWELTTECHNIK GMBH (DE)

**IN** - (D0) PEISE HELMUT; SCHINGNITZ MANFRED; DEGENKOLB DIETMAR

**IC** - (D0) C10J-001/16

**PN2** - SE9703794 A 19980420 [SE9703794]

**STG2** - (A) Application filed (number not used)

**OTI2** - (A) Anordning för tillvaratagande av kol- och askhaltiga bränslen samt avfallsprodukt

**PA2** - (A) KRC UMWELTTECHNIK GMBH (DE)

**IN2** - (A) PEISE HELMUT; SCHINGNITZ MANFRED; DEGENKOLB DIETMAR

**IC2** - (A) C10J-003/08 C10J-003/74

**PN3** - SE9703794 L 19980420 [SE9703794]

**STG3** - (L)

**OTI3** - (L) Anordning för tillvaratagande av kol- och askhaltiga bränslen samt avfallsprodukt

**PA3** - (L) KRC UMWELTTECHNIK GMBH (DE)

**IN3** - (L) PEISE HELMUT; SCHINGNITZ MANFRED; DEGENKOLB DIETMAR

**IC3** - (L) C10J-001/16 C10J-003/08 C10J-003/74

**AP** - SE9703794 19971017 [1997SE-0003794]

**PR** - DE19643258 19961019 [1996DE-1043258]

**ICAA** - C10J-003/08 [2006-01 A - I R M EP]; C10J-003/48 [2006-01 A - I R M EP]; C10J-003/74 [2006-01 A - I R M EP]

**ICCA** - C10J-003/00 [2006 C - I R M EP]; C10J-003/02 [2006 C - I R M EP]; C10J-003/48 [2006 C - I R M EP]

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**PN** - SE9703794 D0 19971017 [SE9703794]SE9703794 A 19980420 [SE9703794]

**AP** - SE9703794 19971017 [1997SE-0003794]

**ACTE** - 20040511 SE/NAV-A [-]  
PATENT APPLICATION HAS LAPSED

**UP** - 2004-26

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*3 / 3 PLUSPAT - ©QUESTEL-ORBIT - image*

**PN** - US5968212 A 19991019 [US5968212]

**STG** - (A) United States patent

**TI** - (A) Apparatus for gasification of combustion and waste materials containing carbon and ash

**PA** - (A) KRC UMWELTTECHNIK GMBH (DE)

**PA0** - Noell-KRC Energie-und Umwelttechnik GmbH, Schkeuditz [DE]

**IN** - (A) PEISE HELMUT (DE); SCHINGNITZ MANFRED (DE); DEGENKOLB DIETMAR (DE)

**IC** - (A) C07C-001/00 C10J-001/28 F16H-021/40

**AP** - US95436197 19971020 [1997US-0954361]  
**PR** - DE19643258 19961019 [1996DE-1043258]  
**ICAA** - C10J-003/08 [2006-01 A - I R M EP]; C10J-003/48 [2006-01 A - I R M EP];  
C10J-003/74 [2006-01 A - I R M EP]  
**ICCA** - C10J-003/00 [2006 C - I R M EP]; C10J-003/02 [2006 C - I R M EP]; C10J-  
003/48 [2006 C - I R M EP]  
**EC** - C10J-003/08  
C10J-003/48  
C10J-003/74  
**PCL** - ORIGINAL (O) : 048101000; CROSS-REFERENCE (X) : 048074000  
048123000 048197000R 110346000 422139000 585240000  
**DT** - Corresponding document

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**PN** - US5968212 A 19991019 [US5968212]  
**AP** - US95436197 19971020 [1997US-0954361]  
**ACTE** - 20031222 US/AS-A  
ASSIGNMENT  
OWNER: FUTURE ENERGY GMBH HALSBRUCKER STR. 34FREIBERG,  
(1; EFFECTIVE DATE: 20030325  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BBP  
ENVIRONMENT GMBH;REEL/FRAME:014810/0608  
  
20031222 US/AS-A  
ASSIGNMENT  
OWNER: BBP ENVIRONMENT GMBH FABRIK STR. 1GUMMERSBACH,  
(1); EFFECTIVE DATE: 20020614  
CHANGE OF NAME;ASSIGNOR:NOELL-KRC ENERGIE-UND  
UMWELTECHNIK GMBH;REEL/FRAME:014811/0707  
  
20040629 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040331  
**UP** - 2005-11

Search statement 3

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